# BRUHAT BANGALORE MAHANAGARA PALIKE

**Name of Work: Improvements to Roads and Drains at Doddabommasandra Old Village, Subbanna Beedi and Surrounding areas in ward No 10 Doddabommasandra**

## BYATARAYANAPURA DIVISION

# PRE-MEASUREMENTS

**Name of Work :Improvements to Roads and Drains at Doddabommasandra Old Village, Subbanna Beedi and Surrounding areas in ward No 10 Doddabommasandra.**

| | Pre measurements | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **Pre measurement recorded on:** 16/03/2020 | | | | | | | | |
| **tem No** | **Discription of Item** | **No** | **Length** | **B1** | **B2** | **Avg Breadth** | **Depth** | **Qty** | **Unit** |
| 1 | Earthwork excavation by manual means for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. | | | | | | | | |
| | **Desilt** | | | | | | | | |
| | Cross Road-7 | | | | | | | | |
| | | 1 | 15.00 | 0.40 | 0.40 | 0.40 | 0.30 | 1.80 | |
| | | 1 | 7.50 | 0.40 | 0.40 | 0.40 | 0.30 | 0.90 | |
| | Cross Road-10 | | | | | | | | |
| | | 1 | 10.00 | 0.40 | 0.40 | 0.40 | 0.30 | 1.20 | |
| | | 1 | 15.00 | 0.40 | 0.40 | 0.40 | 0.30 | 1.80 | |
| | Right side Cross road from Main Road | | | | | | | | |
| | | 1 | 19.00 | 0.60 | 0.60 | 0.60 | 0.60 | 6.84 | |
| | | 1 | 30.00 | 0.75 | 0.75 | 0.75 | 0.60 | 13.50 | |
| | **Subbanna Main Road** | | | | | | | | |
| | LHS | 1 | 26.00 | 0.60 | 0.60 | 0.60 | 0.70 | 10.92 | |
| | | 1 | 18.00 | 0.60 | 0.60 | 0.60 | 0.50 | 5.40 | |
| | | 1 | 19.90 | 0.60 | 0.60 | 0.60 | 0.55 | 6.57 | |
| | RHS | | | | | | | | |
| | | 1 | 19.30 | 0.60 | 0.60 | 0.60 | 0.55 | 6.37 | |
| | | 1 | 11.50 | 0.60 | 0.60 | 0.60 | 0.65 | 4.49 | |
| | | 1 | 19.90 | 0.60 | 0.60 | 0.60 | 0.70 | 8.36 | |
| | **2nd A cross Road** | | | | | | | | |
| | | 1 | 30.00 | 0.60 | 0.60 | 0.60 | 0.60 | 10.80 | |
| | | 1 | 9.00 | 0.60 | 0.60 | 0.60 | 0.65 | 3.51 | |
| | **For RCC Drain** | | | | | | | | |
| | Cross road | | | | | | | | |
| | RHS | 1 | 30.00 | 1.10 | 1.10 | 1.10 | 1.00 | 33.00 | |
| | | 1 | 30.00 | 1.10 | 1.10 | 1.10 | 1.00 | 33.00 | |
| | | 1 | 5.00 | 1.10 | 1.10 | 1.10 | 1.00 | 5.50 | |
| | LHS | | | | | | | | |
| | | 1 | 30.00 | 1.10 | 1.10 | 1.10 | 1.00 | 33.00 | |
| | | 1 | 19.00 | 1.10 | 1.10 | 1.10 | 1.00 | 20.90 | |
| | Right side Cross road from Main Road | | | | | | | | |
| | | 1 | 11.80 | 1.50 | 1.50 | 1.50 | 1.20 | 21.24 | |
| | Cross road From 2nd A Cross | | | | | | | | |
| | | 1 | 14.30 | 1.50 | 1.50 | 1.50 | 1.20 | 25.74 | |
| | L Shape drain | 1 | 14.00 | 0.45 | 0.45 | 0.45 | 0.30 | 1.89 | |

256.73

Page 1

| tem No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | **2nd cross, Jayamma road** | | | | | | | | |
| | LHS | | | | | | | | |
| | | 1 | 30.00 | 0.90 | 0.90 | 0.90 | 0.75 | 20.25 | |
| | | 1 | 30.00 | 0.90 | 0.90 | 0.90 | 0.75 | 20.25 | |
| | RHS | | | | | | | | |
| | | 1 | 30.00 | 0.90 | 0.90 | 0.90 | 0.75 | 20.25 | |
| | | 1 | 30.00 | 0.90 | 0.90 | 0.90 | 0.75 | 20.25 | |
| | **For RCC Culvert** | | | | | | | | |
| | Culvert @ Main Road(Near | | | | | | | | |
| | | 1 | 4.00 | 0.50 | 0.50 | 0.50 | 0.60 | 1.20 | |
| | | 1 | 4.00 | 2.00 | 2.00 | 2.00 | 1.00 | 8.00 | |
| | 2nd B Cross from Subbanna Road | | | | | | | | |
| | | 1 | 3.80 | 2.00 | 2.00 | 2.00 | 1.00 | 7.60 | |
| | 2nd C Cross from Subbanna Road | | | | | | | | |
| | | 1 | 4.90 | 2.00 | 2.00 | 2.00 | 1.00 | 9.80 | |
| | 2nd D Cross from Subbanna Road | | | | | | | | |
| | | 1 | 4.30 | 2.00 | 2.00 | 2.00 | 1.00 | 8.60 | |
| | **For CC Road** | | | | | | | | |
| | **Doddabommasandra village Surroundings** | | | | | | | | |
| | **Main Road(Near Veterinary Hospital)** | | | | | | | | |
| | | 1 | 2.80 | 1.45 | 1.60 | 1.53 | 0.30 | 1.28 | |
| | | 1 | 12.40 | 6.85 | 6.60 | 6.73 | 0.35 | 29.19 | |
| | | 1 | 16.90 | 5.00 | 4.50 | 4.75 | 0.35 | 28.10 | |
| | | 1 | 15.00 | 5.50 | 4.55 | 5.03 | 0.35 | 26.38 | |
| | | 1 | 9.00 | 4.55 | 5.60 | 5.08 | 0.35 | 15.99 | |
| | | 1 | 9.90 | 7.40 | 6.00 | 6.70 | 0.35 | 23.22 | |
| | | 1 | 9.00 | 4.55 | 5.35 | 4.95 | 0.35 | 15.59 | |
| | **Right Side Cross(Near Veterinary Hospital)** | | | | | | | | |
| | | 1 | 11.80 | 1.40 | 1.40 | 1.40 | 0.30 | 4.96 | |
| | | 1 | 18.40 | 1.00 | 1.00 | 1.00 | 0.30 | 5.52 | |
| | **1st cross (Raja Beedhi)** | | | | | | | | |
| | | 1 | 5.20 | 2.90 | 2.70 | 2.80 | 0.30 | 4.37 | |
| | | 1 | 4.30 | 3.50 | 4.00 | 3.75 | 0.30 | 4.84 | |
| | | 1 | 13.30 | 3.15 | 2.75 | 2.95 | 0.30 | 11.77 | |
| | | 1 | 6.70 | 1.70 | 2.40 | 2.05 | 0.30 | 4.12 | |
| | | 1 | 15.00 | 3.20 | 2.35 | 2.78 | 0.30 | 12.49 | |
| | | 1 | 15.80 | 2.35 | 2.90 | 2.63 | 0.30 | 12.44 | |
| | **Cross Road-1** | | | | | | | | |
| | | 1 | 4.30 | 2.70 | 2.70 | 2.70 | 0.30 | 3.48 | |
| | | 1 | 18.00 | 3.30 | 3.60 | 3.45 | 0.30 | 18.63 | |
| | | 1 | 2.55 | 2.60 | 1.55 | 2.08 | 0.30 | 1.59 | |

340.16

Assistant Executive Engineer
Vijayapura Sub Division
BBMP, Bangalore-97

| tem No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 15.00 | 1.60 | 1.90 | 1.75 | 0.30 | 7.88 | |
| | | 1 | 7.60 | 1.90 | 2.90 | 2.40 | 0.30 | 5.47 | |
| | **Cross Road-2** | | | | | | | | |
| | | 1 | 3.40 | 2.10 | 2.00 | 2.05 | 0.30 | 2.09 | |
| | | 1 | 9.90 | 2.40 | 2.00 | 2.20 | 0.30 | 6.53 | |
| | | 1 | 4.30 | 3.40 | 3.40 | 3.40 | 0.30 | 4.39 | |
| | | 1 | 5.15 | 1.40 | 1.30 | 1.35 | 0.30 | 2.09 | |
| | | 1 | 7.85 | 3.50 | 3.20 | 3.35 | 0.30 | 7.89 | |
| | | 1 | 3.20 | 2.45 | 2.25 | 2.35 | 0.30 | 2.26 | |
| | | 1 | 15.00 | 1.70 | 1.90 | 1.80 | 0.30 | 8.10 | |
| | | 1 | 5.90 | 1.90 | 2.20 | 2.05 | 0.30 | 3.63 | |
| | | 1 | 6.65 | 1.85 | 2.20 | 2.03 | 0.30 | 4.04 | |
| | Approch | 1 | 2.10 | 1.20 | 1.20 | 1.20 | 0.30 | 0.76 | |
| | **Cross Road-3** | | | | | | | | |
| | | 1 | 2.00 | 2.20 | 1.50 | 1.85 | 0.30 | 1.11 | |
| | | 1 | 6.00 | 2.50 | 1.50 | 2.00 | 0.30 | 3.60 | |
| | | 1 | 10.30 | 1.50 | 0.80 | 1.15 | 0.30 | 3.55 | |
| | **Cross Road-4** | | | | | | | | |
| | | 1 | 5.70 | 1.80 | 1.80 | 1.80 | 0.30 | 3.08 | |
| | | 1 | 2.65 | 1.60 | 1.60 | 1.60 | 0.30 | 1.27 | |
| | | 1 | 2.00 | 1.25 | 1.25 | 1.25 | 0.30 | 0.75 | |
| | | 1 | 4.40 | 3.35 | 2.55 | 2.95 | 0.30 | 3.89 | |
| | **Cross Road-5** | | | | | | | | |
| | | 1 | 14.20 | 2.60 | 2.30 | 2.45 | 0.30 | 10.44 | |
| | | 1 | 5.20 | 3.00 | 3.90 | 3.45 | 0.30 | 5.38 | |
| | | 1 | (1/2*1.8*2.35) | | | | 0.30 | 0.63 | |
| | | 1 | 7.00 | 1.90 | 2.30 | 2.10 | 0.30 | 4.41 | |
| | | 1 | 7.00 | 2.00 | 2.70 | 2.35 | 0.30 | 4.94 | |
| | | 1 | 1.75 | 1.90 | 1.90 | 1.90 | 0.30 | 1.00 | |
| | **Cross Road-6** | | | | | | | | |
| | | 1 | 7.90 | 1.60 | 1.60 | 1.60 | 0.30 | 3.79 | |
| | | 1 | 15.60 | 3.00 | 2.70 | 2.85 | 0.30 | 13.34 | |
| | | 1 | 4.30 | 2.70 | 2.30 | 2.50 | 0.30 | 3.23 | |
| | | | | | | | | | |
| | **Cross Road-7** | | | | | | | | |
| | | 1 | 15.00 | 1.60 | 1.80 | 1.70 | 0.30 | 7.65 | |
| | | 1 | 7.50 | 4.00 | 5.00 | 4.50 | 0.30 | 10.13 | |
| | **Cross Road-8** | | | | | | | | |
| | | 1 | 15.00 | 3.10 | 3.00 | 3.05 | 0.30 | 13.73 | |
| | | 1 | 18.30 | 3.30 | 2.45 | 2.88 | 0.30 | 15.78 | |
| | | 1 | 1.45 | 1.25 | 1.25 | 1.25 | 0.30 | 0.54 | |

167.37

| em No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | **Cross Road-9** | | | | | | | | |
| | | 1 | 2.70 | 3.80 | 3.00 | 3.40 | 0.30 | 2.75 | |
| | | 1 | 13.00 | 2.60 | 2.30 | 2.45 | 0.30 | 9.56 | |
| | | 1 | 1.20 | 1.20 | 1.20 | 1.20 | 0.30 | 0.43 | |
| | **Cross Road-10** | | | | | | | | |
| | | 1 | 3.40 | 3.20 | 2.90 | 3.05 | 0.30 | 3.11 | |
| | | 1 | 15.00 | 2.00 | 1.95 | 1.98 | 0.30 | 8.89 | |
| | **2nd A cross road** | | | | | | | | |
| | | 1 | 15.00 | 1.50 | 1.90 | 1.70 | 0.30 | 7.65 | |
| | | 1 | 3.40 | 3.60 | 3.60 | 3.60 | 0.30 | 3.67 | |
| | | 1 | 5.55 | 3.40 | 3.70 | 3.55 | 0.30 | 5.91 | |
| | | 1 | 17.50 | 4.60 | 3.60 | 4.10 | 0.30 | 21.53 | |
| | **Cross road From 2nd A cross** | | | | | | | | |
| | | 1 | 10.60 | 3.80 | 2.90 | 3.35 | 0.30 | 10.65 | |
| | | 1 | 7.40 | 3.40 | 2.80 | 3.10 | 0.30 | 6.88 | |
| | | 1 | 9.60 | 2.00 | 1.75 | 1.88 | 0.30 | 5.40 | |
| | | 1 | 4.00 | 1.20 | 0.90 | 1.05 | 0.30 | 1.26 | |
| | | 1 | 8.70 | 2.60 | 3.90 | 3.25 | 0.30 | 8.48 | |
| | | | | | | | | | |
| | **Near 2nd A Cross** | | | | | | | | |
| | | 1 | 3.00 | 2.40 | 2.40 | 2.40 | 0.30 | 2.16 | |
| | | 1 | 3.00 | 1.75 | 1.85 | 1.80 | 0.30 | 1.62 | |
| | | 1 | 4.70 | 1.80 | 1.80 | 1.80 | 0.30 | 2.54 | |
| | **Ashwath Katte** | | | | | | | | |
| | | 1 | 15.60 | 4.40 | 5.10 | 4.75 | 0.30 | 22.23 | |
| | | 1 | 9.20 | 4.80 | 4.45 | 4.63 | 0.30 | 12.77 | |
| | **Subbanna Main Road** | | | | | | | | |
| | | 1 | 15.00 | 4.75 | 4.30 | 4.53 | 0.30 | 20.36 | |
| | | 1 | 15.00 | 4.30 | 4.50 | 4.40 | 0.30 | 19.80 | |
| | | 1 | 13.60 | 4.50 | 4.40 | 4.45 | 0.30 | 18.16 | |
| | | | | | | | | | |
| | | 1 | 15.00 | 4.00 | 3.80 | 3.90 | 0.30 | 17.55 | |
| | | 1 | 9.40 | 3.80 | 4.10 | 3.95 | 0.30 | 11.14 | |
| | **2nd A cross** | | | | | | | | |
| | | 1 | 15.00 | 3.90 | 3.90 | 3.90 | 0.30 | 17.55 | |
| | | 1 | 15.00 | 3.90 | 3.70 | 3.80 | 0.30 | 17.10 | |
| | | 1 | 8.80 | 3.70 | 3.50 | 3.60 | 0.30 | 9.50 | |
| | **2nd B cross** | | | | | | | | |
| | | 1 | 15.00 | 4.20 | 4.70 | 4.45 | 0.30 | 20.03 | |
| | | 1 | 15.00 | 4.70 | 4.10 | 4.40 | 0.30 | 19.80 | |
| | | 1 | 12.50 | 4.10 | 4.50 | 4.30 | 0.30 | 16.13 | |

Assistant Executive Engineer
Jayanagar Sub Division
BBMP, Bangalore-97



325.05

| tem No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | **2nd C cross** | | | | | | | | |
| | | 1 | 15.00 | 5.50 | 5.50 | 5.50 | 0.30 | 24.75 | |
| | | 1 | 12.30 | 5.50 | 5.40 | 5.45 | 0.30 | 20.11 | |
| | | 1 | 6.10 | 4.20 | 4.20 | 4.20 | 0.30 | 7.69 | |
| | **2nd cross, Jayamma road** | | | | | | | | |
| | | 1 | 15.00 | 3.30 | 3.30 | 3.30 | 0.30 | 14.85 | |
| | | 1 | 15.00 | 3.30 | 3.45 | 3.38 | 0.30 | 15.19 | |
| | | 1 | 15.00 | 3.45 | 3.80 | 3.63 | 0.30 | 16.31 | |
| | | 1 | 14.40 | 3.80 | 4.00 | 3.90 | 0.30 | 16.85 | |
| | | 1 | 10.00 | 5.60 | 5.70 | 5.65 | 0.30 | 16.95 | |
| | **Deductions** | | | | | | | | |
| | **Main Road(Near Veterinary Hospital)** | | | | | | | | |
| | Chamber | -1 | 1.40 | 1.40 | 1.40 | 1.40 | 0.30 | -0.59 | |
| | | -1 | 0.60 | 0.60 | 0.60 | 0.60 | 0.30 | -0.11 | |
| | step | -1 | 3.00 | 0.60 | 0.60 | 0.60 | 0.30 | -0.54 | |
| | STD Booth | -1 | 0.70 | 0.60 | 0.60 | 0.60 | 0.30 | -0.13 | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | 0.30 | -0.38 | |
| | **1st cross (Raja Beedhi)** | | | | | | | | |
| | Chamber | -2 | 0.60 | 0.60 | 0.60 | 0.60 | 0.30 | -0.22 | |
| | step | -1 | 1.45 | 0.30 | 0.30 | 0.30 | 0.30 | -0.13 | |
| | | -1 | 2.30 | 0.30 | 0.30 | 0.30 | 0.30 | -0.21 | |
| | Man Hole | -3 | | (3.142*0.9*0.9/4) | | | 0.30 | -0.57 | |
| | **Cross Road-1** | | | | | | | | |
| | Chamber | -1 | 0.70 | 0.60 | 0.60 | 0.60 | 0.30 | -0.13 | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | 0.30 | -0.38 | |
| | **Cross Road-2** | | | | | | | | |
| | Chamber | -2 | 0.60 | 0.60 | 0.60 | 0.60 | 0.30 | -0.22 | |
| | | -1 | 0.80 | 0.70 | 0.70 | 0.70 | 0.30 | -0.17 | |
| | steps | -1 | 1.80 | 0.80 | 0.80 | 0.80 | 0.30 | -0.43 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.30 | -0.19 | |
| | **Cross Road-3** | | | | | | | | |
| | Chamber | -1 | 0.80 | 0.80 | 0.80 | 0.80 | 0.30 | -0.19 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.30 | -0.19 | |
| | **Cross Road-5** | | | | | | | | |
| | Chamber | -1 | 1.20 | 1.20 | 1.20 | 1.20 | 0.30 | -0.43 | |
| | | -1 | 0.45 | 0.45 | 0.45 | 0.45 | 0.30 | -0.06 | |
| | | -1 | 0.80 | 0.80 | 0.80 | 0.80 | 0.30 | -0.19 | |
| | steps | -1 | 1.00 | 0.80 | 0.80 | 0.80 | 0.30 | -0.24 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.30 | -0.19 | |
| | **Cross Road-6** | | | | | | | | |
| | Toilet | -1 | 1.20 | 0.70 | 0.70 | 0.70 | 0.30 | -0.25 | |

Assistant Executive Engineer
Yelahanka Sub Division
BBMP, Bangalore - 97

| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | Electric Pole | -3 | 0.20 | 0.15 | 0.15 | 0.15 | 0.30 | -0.03 | |
| | **Cross Road-7** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.30 | -0.19 | |
| | **Cross Road-8** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.30 | -0.19 | |
| | **2nd A cross road** | | | | | | | | |
| | steps | -1 | 1.20 | 0.50 | 0.50 | 0.50 | 0.30 | -0.18 | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | 0.30 | -0.38 | |
| | **Cross road From 2nd A cross** | | | | | | | | |
| | Chamber | -1 | 0.45 | 0.45 | 0.45 | 0.45 | 0.30 | -0.06 | |
| | | -1 | 1.10 | 1.60 | 1.60 | 1.60 | 0.30 | -0.53 | |
| | Tank | -1 | 1.20 | 1.00 | 1.00 | 1.00 | 0.30 | -0.36 | |
| | steps | -1 | 4.00 | 0.60 | 0.60 | 0.60 | 0.30 | -0.72 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.30 | -0.19 | |
| | **Ashwath Katte** | | | | | | | | |
| | Pole | -1 | 0.60 | 0.50 | 0.50 | 0.50 | 0.30 | -0.09 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.30 | -0.19 | |
| | **Subbanna Main Road** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.30 | -0.19 | |
| | **2nd A cross** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.30 | -0.19 | |
| | **2nd B cross** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.30 | -0.19 | |
| | **2nd C cross** | | | | | | | | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | 0.30 | -0.38 | |
| | **2nd cross, Jayamma road** | | | | | | | | |
| | Man Hole | -3 | | (3.142*0.9*0.9/4) | | | 0.30 | -0.57 | |
| | Steps | -1 | 2.00 | 1.00 | 1.00 | 1.00 | 0.30 | -0.60 | |
| | | | | | | | **Present Qty** | **1210.13** | **Cum** |

PMC

Assistant Engineer
Ward No.10

Asst. Executive Engineer,
Vidyaranya Pura Sub division

BVH Consulting Engineers Pvt. Ltd. Bangalore

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

**Name of Work :Improvements to Roads and Drains at Doddabommasandra Old Village, Subbanna Beedi and Surrounding areas in ward No 10 Doddabommasandra.**

| | Pre measurements | | | | | | |
|---|---|---|---|---|---|---|---|
| | **Pre measurement recorded on:** 16/03/2020. | | | | | | |
| **tem No** | **Discription of Item** | **No** | **Length** | **Breadth** | **Depth** | **Qty** | **Unit** |
| 2 | Removing And Refixing stone slabs of drains and pointing in C.M (1:3) | | | | | | |
| | Right side Cross road from Main Road(Near Veterinary Hospital) | | | | | | |
| | | 1 | 19.00 | 0.90 | | 17.10 | |
| | | 1 | 30.00 | 1.20 | | 36.00 | |
| | **Subbanna Main Road** | | | | | | |
| | LHS | 1 | 30.00 | 0.75 | | 22.50 | |
| | | 1 | 3.90 | 0.60 | | 2.34 | |
| | RHS | | | | | | |
| | | 1 | 3.00 | 0.75 | | 2.25 | |
| | 2nd A cross Road | | | | | | |
| | | 1 | 19.00 | 0.75 | | 14.25 | |
| | | | | | **Present Qty** | **94.44** | **Sqm** |

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore

PMC

BVH Consulting Engineers Pvt. Ltd. Bangalore

Assistant Engineer
Ward No.10

Asst. Executive Engineer,
Vidyaranya Pura Sub division

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

**ame of Work :Improvements to Roads and Drains at Doddabommasandra Old Village, Subbanna Beedi and Surrounding areas in ward No 10 Doddabommasandra.**

| | Pre measurements | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **Pre measurement recorded on:** | 12/05/2020 | | | | | | | |
| **em No** | **Discription of Item** | **No** | **Length** | **B1** | **B2** | **Avg Breadth** | **Depth** | **Qty** | **Unit** |
| 3 | Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. | | | | | | | | |
| | **For RCC Drain** | | | | | | | | |
| | Cross road | | | | | | | | |
| | RHS | 1 | 30.00 | 1.10 | 1.10 | 1.10 | 0.15 | 4.95 | |
| | | 1 | 30.00 | 1.10 | 1.10 | 1.10 | 0.15 | 4.95 | |
| | | 1 | 5.00 | 1.10 | 1.10 | 1.10 | 0.15 | 0.83 | |
| | LHS | | | | | | | | |
| | | 1 | 30.00 | 1.10 | 1.10 | 1.10 | 0.15 | 4.95 | |
| | | 1 | 19.00 | 1.10 | 1.10 | 1.10 | 0.15 | 3.14 | |
| | Right side Cross road from Main Road | | | | | | | | |
| | | 1 | 11.80 | 1.50 | 1.50 | 1.50 | 0.15 | 2.66 | |
| | Cross road From 2nd A Cross | | | | | | | | |
| | | 1 | 14.30 | 1.50 | 1.50 | 1.50 | 0.15 | 3.22 | |
| | L Shape drain | 1 | 14.00 | 0.45 | 0.45 | 0.45 | 0.15 | 0.95 | |
| | **2nd cross, Jayamma road** | | | | | | | | |
| | LHS | | | | | | | | |
| | | 1 | 30.00 | 0.90 | 0.90 | 0.90 | 0.15 | 4.05 | |
| | | 1 | 30.00 | 0.90 | 0.90 | 0.90 | 0.15 | 4.05 | |
| | RHS | | | | | | | | |
| | | 1 | 30.00 | 0.90 | 0.90 | 0.90 | 0.15 | 4.05 | |
| | | 1 | 30.00 | 0.90 | 0.90 | 0.90 | 0.15 | 4.05 | |
| | **For RCC Culvert** | | | | | | | | |
| | Culvert @ Main Road(Near Veterinary Hoapital) | | | | | | | | |
| | | 1 | 4.00 | 0.50 | 0.50 | 0.50 | 0.15 | 0.30 | |
| | | 1 | 4.00 | 2.00 | 2.00 | 2.00 | 0.15 | 1.20 | |
| | 2nd B Cross from Subbanna Road | | | | | | | | |
| | | 1 | 3.80 | 2.00 | 2.00 | 2.00 | 0.15 | 1.14 | |
| | 2nd C Cross from Subbanna Road | | | | | | | | |
| | | 1 | 4.90 | 2.00 | 2.00 | 2.00 | 0.15 | 1.47 | |
| | 2nd D Cross from Subbanna Road | | | | | | | | |
| | | 1 | 4.30 | 2.00 | 2.00 | 2.00 | 0.15 | 1.29 | |
| | **For CC Road** | | | | | | | | |
| | **Doddabommasandra village Surroundings** | | | | | | | | |
| | **Main Road(Near Veterinary Hospital)** | | | | | | | | |
| | | 1 | 2.80 | 1.45 | 1.60 | 1.53 | 0.15 | 0.64 | |
| | | 1 | 12.40 | 6.85 | 6.60 | 6.73 | 0.15 | 12.51 | |
| | | 1 | 16.90 | 5.00 | 4.50 | 4.75 | 0.15 | 12.04 | |

72.64

Assistant Executive Engineer BBMP Rajarajeshwara Sub Division Bangalore-97

| tem No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 15.00 | 5.50 | 4.55 | 5.03 | 0.15 | 11.31 | |
| | | 1 | 9.00 | 4.55 | 5.60 | 5.08 | 0.15 | 6.85 | |
| | | 1 | 9.90 | 7.40 | 6.00 | 6.70 | 0.15 | 9.95 | |
| | | 1 | 9.00 | 4.55 | 5.35 | 4.95 | 0.15 | 6.68 | |
| | **Right Side CrossNear Veterinary Hospital)** | | | | | | | | |
| | | 1 | 11.80 | 1.40 | 1.40 | 1.40 | 0.15 | 2.48 | |
| | | 1 | 18.40 | 1.00 | 1.00 | 1.00 | 0.15 | 2.76 | |
| | **1st cross (Raja Beedhi)** | | | | | | | | |
| | | 1 | 5.20 | 2.90 | 2.70 | 2.80 | 0.15 | 2.18 | |
| | | 1 | 4.30 | 3.50 | 4.00 | 3.75 | 0.15 | 2.42 | |
| | | 1 | 13.30 | 3.15 | 2.75 | 2.95 | 0.15 | 5.89 | |
| | | 1 | 6.70 | 1.70 | 2.40 | 2.05 | 0.15 | 2.06 | |
| | | 1 | 15.00 | 3.20 | 2.35 | 2.78 | 0.15 | 6.24 | |
| | | 1 | 15.80 | 2.35 | 2.90 | 2.63 | 0.15 | 6.22 | |
| | **Cross Road-1** | | | | | | | | |
| | | 1 | 4.30 | 2.70 | 2.70 | 2.70 | 0.15 | 1.74 | |
| | | 1 | 18.00 | 3.30 | 3.60 | 3.45 | 0.15 | 9.32 | |
| | | 1 | 2.55 | 2.60 | 1.55 | 2.08 | 0.15 | 0.79 | |
| | | 1 | 15.00 | 1.60 | 1.90 | 1.75 | 0.15 | 3.94 | |
| | | 1 | 7.60 | 1.90 | 2.90 | 2.40 | 0.15 | 2.74 | |
| | **Cross Road-2** | | | | | | | | |
| | | 1 | 3.40 | 2.10 | 2.00 | 2.05 | 0.15 | 1.05 | |
| | | 1 | 9.90 | 2.40 | 2.00 | 2.20 | 0.15 | 3.27 | |
| | | 1 | 4.30 | 3.40 | 3.40 | 3.40 | 0.15 | 2.19 | |
| | | 1 | 5.15 | 1.40 | 1.30 | 1.35 | 0.15 | 1.04 | |
| | | 1 | 7.85 | 3.50 | 3.20 | 3.35 | 0.15 | 3.94 | |
| | | 1 | 3.20 | 2.45 | 2.25 | 2.35 | 0.15 | 1.13 | |
| | | 1 | 15.00 | 1.70 | 1.90 | 1.80 | 0.15 | 4.05 | |
| | | 1 | 5.90 | 1.90 | 2.20 | 2.05 | 0.15 | 1.81 | |
| | | 1 | 6.65 | 1.85 | 2.20 | 2.03 | 0.15 | 2.02 | |
| | Approch | 1 | 2.10 | 1.20 | 1.20 | 1.20 | 0.15 | 0.38 | |
| | **Cross Road-3** | | | | | | | | |
| | | 1 | 2.00 | 2.20 | 1.50 | 1.85 | 0.15 | 0.56 | |
| | | 1 | 6.00 | 2.50 | 1.50 | 2.00 | 0.15 | 1.80 | |
| | | 1 | 10.30 | 1.50 | 0.80 | 1.15 | 0.15 | 1.78 | |
| | **Cross Road-4** | | | | | | | | |
| | | 1 | 5.70 | 1.80 | 1.80 | 1.80 | 0.15 | 1.54 | |
| | | 1 | 2.65 | 1.60 | 1.60 | 1.60 | 0.15 | 0.64 | |
| | | 1 | 2.00 | 1.25 | 1.25 | 1.25 | 0.15 | 0.38 | |
| | | 1 | 4.40 | 3.35 | 2.55 | 2.95 | 0.15 | 1.95 | |
| | **Cross Road-5** | | | | | | | | |
| | | 1 | 14.20 | 2.60 | 2.30 | 2.45 | 0.15 | 5.22 | |
| | | 1 | 5.20 | 3.00 | 3.90 | 3.45 | 0.15 | 2.69 | |
| | | 1 | (1/2*1.8*2.35) | | | | 0.15 | 0.32 | |
| | | 1 | 7.00 | 1.90 | 2.30 | 2.10 | 0.15 | 2.21 | |
| | | 1 | 7.00 | 2.00 | 2.70 | 2.35 | 0.15 | 2.47 | |
| | | 1 | 1.75 | 1.90 | 1.90 | 1.90 | 0.15 | 0.50 | |

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

| tem No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | **Cross Road-6** | | | | | | | | |
| | | 1 | 7.90 | 1.60 | 1.60 | 1.60 | 0.15 | 1.90 | |
| | | 1 | 15.60 | 3.00 | 2.70 | 2.85 | 0.15 | 6.67 | |
| | | 1 | 4.30 | 2.70 | 2.30 | 2.50 | 0.15 | 1.61 | |
| | **Cross Road-7** | | | | | | | | |
| | | 1 | 15.00 | 1.60 | 1.80 | 1.70 | 0.15 | 3.83 | |
| | | 1 | 7.50 | 4.00 | 5.00 | 4.50 | 0.15 | 5.06 | |
| | **Cross Road-8** | | | | | | | | |
| | | 1 | 15.00 | 3.10 | 3.00 | 3.05 | 0.15 | 6.86 | |
| | | 1 | 18.30 | 3.30 | 2.45 | 2.88 | 0.15 | 7.89 | |
| | | 1 | 1.45 | 1.25 | 1.25 | 1.25 | 0.15 | 0.27 | |
| | **Cross Road-9** | | | | | | | | |
| | | 1 | 2.70 | 3.80 | 3.00 | 3.40 | 0.15 | 1.38 | |
| | | 1 | 13.00 | 2.60 | 2.30 | 2.45 | 0.15 | 4.78 | |
| | | 1 | 1.20 | 1.20 | 1.20 | 1.20 | 0.15 | 0.22 | |
| | **Cross Road-10** | | | | | | | | |
| | | 1 | 3.40 | 3.20 | 2.90 | 3.05 | 0.15 | 1.56 | |
| | | 1 | 15.00 | 2.00 | 1.95 | 1.98 | 0.15 | 4.44 | |
| | **2nd A cross road** | | | | | | | | |
| | | 1 | 15.00 | 1.50 | 1.90 | 1.70 | 0.15 | 3.83 | |
| | | 1 | 3.40 | 3.60 | 3.60 | 3.60 | 0.15 | 1.84 | |
| | | 1 | 5.55 | 3.40 | 3.70 | 3.55 | 0.15 | 2.96 | |
| | | 1 | 17.50 | 4.60 | 3.60 | 4.10 | 0.15 | 10.76 | |
| | **Cross road From 2nd A cross** | | | | | | | | |
| | | 1 | 10.60 | 3.80 | 2.90 | 3.35 | 0.15 | 5.33 | |
| | | 1 | 7.40 | 3.40 | 2.80 | 3.10 | 0.15 | 3.44 | |
| | | 1 | 9.60 | 2.00 | 1.75 | 1.88 | 0.15 | 2.70 | |
| | | 1 | 4.00 | 1.20 | 0.90 | 1.05 | 0.15 | 0.63 | |
| | | 1 | 8.70 | 2.60 | 3.90 | 3.25 | 0.15 | 4.24 | |
| | **Near 2nd A Cross** | | | | | | | | |
| | | 1 | 3.00 | 2.40 | 2.40 | 2.40 | 0.15 | 1.08 | |
| | | 1 | 3.00 | 1.75 | 1.85 | 1.80 | 0.15 | 0.81 | |
| | | 1 | 4.70 | 1.80 | 1.80 | 1.80 | 0.15 | 1.27 | |
| | **Ashwath Katte** | | | | | | | | |
| | | 1 | 15.60 | 4.40 | 5.10 | 4.75 | 0.15 | 11.12 | |
| | | 1 | 9.20 | 4.80 | 4.45 | 4.63 | 0.15 | 6.38 | |
| | **Subbanna Main Road** | | | | | | | | |
| | | 1 | 15.00 | 4.75 | 4.30 | 4.53 | 0.15 | 10.18 | |
| | | 1 | 15.00 | 4.30 | 4.50 | 4.40 | 0.15 | 9.90 | |
| | | 1 | 13.60 | 4.50 | 4.40 | 4.45 | 0.15 | 9.08 | |
| | | 1 | 15.00 | 4.00 | 3.80 | 3.90 | 0.15 | 8.78 | |
| | | 1 | 9.40 | 3.80 | 4.10 | 3.95 | 0.15 | 5.57 | |
| | **2nd A cross** | | | | | | | | |
| | | 1 | 15.00 | 3.90 | 3.90 | 3.90 | 0.15 | 8.78 | |

Assistant Executive Engineer
Yelahanka Sub Division
BBMP, Bangalore

| em No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 15.00 | 3.90 | 3.70 | 3.80 | 0.15 | 8.55 | |
| | | 1 | 8.80 | 3.70 | 3.50 | 3.60 | 0.15 | 4.75 | |
| | **2nd B cross** | | | | | | | | |
| | | 1 | 15.00 | 4.20 | 4.70 | 4.45 | 0.15 | 10.01 | |
| | | 1 | 15.00 | 4.70 | 4.10 | 4.40 | 0.15 | 9.90 | |
| | | 1 | 12.50 | 4.10 | 4.50 | 4.30 | 0.15 | 8.06 | |
| | **2nd C cross** | | | | | | | | |
| | | 1 | 15.00 | 5.50 | 5.50 | 5.50 | 0.15 | 12.38 | |
| | | 1 | 12.30 | 5.50 | 5.40 | 5.45 | 0.15 | 10.06 | |
| | | 1 | 6.10 | 4.20 | 4.20 | 4.20 | 0.15 | 3.84 | |
| | **2nd cross, Jayamma road** | | | | | | | | |
| | | 1 | 15.00 | 3.30 | 3.30 | 3.30 | 0.15 | 7.43 | |
| | | 1 | 15.00 | 3.30 | 3.45 | 3.38 | 0.15 | 7.59 | |
| | | 1 | 15.00 | 3.45 | 3.80 | 3.63 | 0.15 | 8.16 | |
| | | 1 | 14.40 | 3.80 | 4.00 | 3.90 | 0.15 | 8.42 | |
| | | 1 | 10.00 | 5.60 | 5.70 | 5.65 | 0.15 | 8.48 | |
| | **Deductions** | | | | | | | | |
| | **Main Road(Near Veterinary Hospital)** | | | | | | | | |
| | Chamber | -1 | 1.40 | 1.40 | 1.40 | 1.40 | 0.15 | -0.29 | |
| | | -1 | 0.60 | 0.60 | 0.60 | 0.60 | 0.15 | -0.05 | |
| | step | -1 | 3.00 | 0.60 | 0.60 | 0.60 | 0.15 | -0.27 | |
| | STD Booth | -1 | 0.70 | 0.60 | 0.60 | 0.60 | 0.15 | -0.06 | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.19 | |
| | **1st cross (Raja Beedhi)** | | | | | | | | |
| | Chamber | -2 | 0.60 | 0.60 | 0.60 | 0.60 | 0.15 | -0.11 | |
| | step | -1 | 1.45 | 0.30 | 0.30 | 0.30 | 0.15 | -0.07 | |
| | | -1 | 2.30 | 0.30 | 0.30 | 0.30 | 0.15 | -0.10 | |
| | Man Hole | -3 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.29 | |
| | **Cross Road-1** | | | | | | | | |
| | Chamber | -1 | 0.70 | 0.60 | 0.60 | 0.60 | 0.15 | -0.06 | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.19 | |
| | **Cross Road-2** | | | | | | | | |
| | Chamber | -2 | 0.60 | 0.60 | 0.60 | 0.60 | 0.15 | -0.11 | |
| | | -1 | 0.80 | 0.70 | 0.70 | 0.70 | 0.15 | -0.08 | |
| | steps | -1 | 1.80 | 0.80 | 0.80 | 0.80 | 0.15 | -0.22 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **Cross Road-3** | | | | | | | | |
| | Chamber | -1 | 0.80 | 0.80 | 0.80 | 0.80 | 0.15 | -0.10 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **Cross Road-5** | | | | | | | | |
| | Chamber | -1 | 1.20 | 1.20 | 1.20 | 1.20 | 0.15 | -0.22 | |
| | | -1 | 0.45 | 0.45 | 0.45 | 0.45 | 0.15 | -0.03 | |
| | | -1 | 0.80 | 0.80 | 0.80 | 0.80 | 0.15 | -0.10 | |
| | steps | -1 | 1.00 | 0.80 | 0.80 | 0.80 | 0.15 | -0.12 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **Cross Road-6** | | | | | | | | |
| | Toilet | -1 | 1.20 | 0.70 | 0.70 | 0.70 | 0.15 | -0.13 | |

Assistant Executive Engineer
Vijayanagara Sub Division
BBMP, Bangalore - 97

| tem No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | Electric Pole | -3 | 0.20 | 0.15 | 0.15 | 0.15 | 0.15 | -0.01 | |
| | **Cross Road-7** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **Cross Road-8** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **2nd A cross road** | | | | | | | | |
| | steps | -1 | 1.20 | 0.50 | 0.50 | 0.50 | 0.15 | -0.09 | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.19 | |
| | **Cross road From 2nd A cross** | | | | | | | | |
| | Chamber | -1 | 0.45 | 0.45 | 0.45 | 0.45 | 0.15 | -0.03 | |
| | | -1 | 1.10 | 1.60 | 1.60 | 1.60 | 0.15 | -0.26 | |
| | Tank | -1 | 1.20 | 1.00 | 1.00 | 1.00 | 0.15 | -0.18 | |
| | steps | -1 | 4.00 | 0.60 | 0.60 | 0.60 | 0.15 | -0.36 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **Ashwath Katte** | | | | | | | | |
| | Pole | -1 | 0.60 | 0.50 | 0.50 | 0.50 | 0.15 | -0.05 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **Subbanna Main Road** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **2nd A cross** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **2nd B cross** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **2nd C cross** | | | | | | | | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.19 | |
| | **2nd cross, Jayamma road** | | | | | | | | |
| | Man Hole | -3 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.29 | |
| | Steps | -1 | 2.00 | 1.00 | 1.00 | 1.00 | 0.15 | -0.30 | |
| | | | | | | | **Present Qty** | **455.94** | **Cum** |

PMC

BVH Consulting Engineers Pvt. Ltd. Bangalore

Assistant Engineer
Ward No.10

Asst. Executive Engineer,
Vidyaranya Pura Sub division

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

**Name of Work :Improvements to Roads and Drains at Doddabommasandra Old Village, Subbanna Beedi and Surrounding areas in ward No 10 Doddabommasandra.**

| | Pre measurements | | | | | | |
|---|---|---|---|---|---|---|---|
| | **Pre measurement recorded on:** 16/05/2020 | | | | | | |
| **Item No** | **Discription of Item** | **No** | **Length** | **Breadth** | **Depth** | **Qty** | **Unit** |
| 4 | Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed,concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping. Including cost of all materials, labour, HOM of machinery, curing complete as per specifications. | | | | | | |
| | **For Vent Portion** | | | | | | |
| | **Subbanna Main Road** | | | | | | |
| | LHS | 1 | 26.00 | 0.60 | 0.10 | 1.56 | |
| | | 1 | 18.00 | 0.60 | 0.10 | 1.08 | |
| | | 1 | 19.90 | 0.60 | 0.10 | 1.19 | |
| | RHS | | | | | | |
| | | 1 | 19.30 | 0.60 | 0.10 | 1.16 | |
| | | 1 | 11.50 | 0.60 | 0.10 | 0.69 | |
| | | 1 | 19.90 | 0.60 | 0.10 | 1.19 | |
| | 2nd A cross Road | | | | | | |
| | | 1 | 30.00 | 0.60 | 0.10 | 1.80 | |
| | | 1 | 9.00 | 0.60 | 0.10 | 0.54 | |
| | **Coping** | | | | | | |
| | **Subbanna Main Road** | | | | | | |
| | LHS | 2 | 26.00 | 0.15 | 0.10 | 0.78 | |
| | | 2 | 18.00 | 0.15 | 0.10 | 0.54 | |
| | | 2 | 19.90 | 0.15 | 0.10 | 0.60 | |
| | RHS | | | | | | |
| | | 2 | 19.30 | 0.15 | 0.10 | 0.58 | |
| | | 2 | 11.50 | 0.15 | 0.10 | 0.35 | |
| | | 2 | 19.90 | 0.15 | 0.10 | 0.60 | |
| | 2nd A cross Road | | | | | | |
| | | 2 | 30.00 | 0.15 | 0.10 | 0.90 | |
| | | 2 | 9.00 | 0.15 | 0.10 | 0.27 | |
| | | | | | **Present Qty** | **13.82** | **Cum** |

PMC

BVH Consulting Engineers Pvt. Ltd. Bangalore

Assistant Engineer
Ward No.10

Asst. Executive Engineer,
Vidyaranya Pura Sub division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

**Name of Work :Improvements to Roads and Drains at Doddabommasandra Old Village, Subbanna Beedi and Surrounding areas in ward No 10 Doddabommasandra.**

| | Pre measurements | | | | | | |
|---|---|---|---|---|---|---|---|
| Pre measurement recorded on: | 20/05/2020. | | | | | | |
| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
| 7 | Providing T.M.T steel reinforcement for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications. | | | | | | |
| | **Doddabommasandra Village Surroundings** | | | | | | |
| | **Cross road** | | | | | | |
| | **RHS** | | | | | | |
| | **Total Drain length=65.00 Mtr** | | | | | | |
| | Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | **No of U Bars:525 No's** | 525 | 2.40 | | 0.62 | 781.20 | |
| | Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | 20 | 65.00 | | 0.62 | 806.00 | |
| | **LHS** | | | | | | |
| | **Total Drain length=49.00 Mtr** | | | | | | |
| | Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | **No of U Bars:401 No's** | 401 | 2.40 | | 0.62 | 596.69 | |
| | Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | 20 | 49.00 | | 0.62 | 607.60 | |
| | **Right side Cross road from Main Road** | | | | | | |
| | **Total Drain length=11.80 mtr** | | | | | | |
| | Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | **No of U Bars:102 No's** | 102 | 2.95 | | 0.62 | 186.56 | |
| | Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | 24 | 11.80 | | 0.62 | 175.58 | |
| | **Cross road From 2nd A Cross** | | | | | | |
| | **Total Drain length=15.00 mtr** | | | | | | |
| | Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | **No of U Bars:122 No's** | 122 | 2.95 | | 0.62 | 223.14 | |

| Item No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| | Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | 24 | 14.30 | | 0.62 | 209.24 | |
| | **2nd A Cross(L Shape drain)** | | | | | | |
| | **Total Drain length=14.00 mtr** | | | | | | |
| | Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | **No of U Bars:112 No's** | 112 | 0.60 | | 0.62 | 41.66 | |
| | Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | 5 | 14.00 | | 0.62 | 43.40 | |
| | **2nd cross, Jayamma road** | | | | | | |
| | **LHS** | | | | | | |
| | **Total Drain length=60.00 mtr** | | | | | | |
| | Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | **No of U Bars:482 No's** | 482 | 1.70 | | 0.62 | 508.03 | |
| | Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | 14 | 60.00 | | 0.62 | 505.92 | |
| | **RHS** | | | | | | |
| | **Total Drain length=60.00 mtr** | | | | | | |
| | Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | **No of U Bars:482 No's** | 482 | 1.70 | | 0.62 | 508.03 | |
| | Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | 14 | 60.00 | | 0.62 | 505.92 | |
| | **Culverts** | | | | | | |
| | **Main Road(Near Veterinary Hospital)** | | | | | | |
| | **Total Drain length=4.00 mtr** | | | | | | |
| | Main bar 12mm dia bar @ 125mm c/c | | | | | | |
| | 0.89kg/mtr | | | | | | |
| | Top | 32 | 2.80 | | 0.89 | 79.74 | |
| | Bottom | 32 | 3.05 | | 0.89 | 86.86 | |
| | Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | Top | 22 | 4.00 | | 0.62 | 55.55 | |
| | Bottom | 24 | 4.00 | | 0.62 | 60.51 | |
| | **2nd B Cross from Subbanna Road** | | | | | | |
| | **Total Drain length=3.80 mtr** | | | | | | |
| | Main bar 12mm dia bar @ 125mm c/c | | | | | | |
| | 0.89kg/mtr | | | | | | |

| em No | Discription of Item | No | Length | Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|
| | Top | 30 | 2.80 | | 0.89 | 75.76 | |
| | Bottom | 30 | 3.05 | | 0.89 | 82.52 | |
| | Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | Top | 22 | 3.80 | | 0.62 | 52.77 | |
| | Bottom | 24 | 3.80 | | 0.62 | 57.49 | |
| | **2nd C Cross from Subbanna Road** | | | | | | |
| | **Total Drain length=4.90 mtr** | | | | | | |
| | Main bar 12mm dia bar @ 125mm c/c | | | | | | |
| | 0.89kg/mtr | | | | | | |
| | Top | 39 | 2.80 | | 0.89 | 97.69 | |
| | Bottom | 39 | 3.05 | | 0.89 | 106.41 | |
| | Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | Top | 22 | 4.90 | | 0.62 | 68.05 | |
| | Bottom | 24 | 4.90 | | 0.62 | 74.13 | |
| | **2nd D Cross from Subbanna Road** | | | | | | |
| | **Total Drain length=4.30 mtr** | | | | | | |
| | Main bar 12mm dia bar @ 125mm c/c | | | | | | |
| | 0.89kg/mtr | | | | | | |
| | Top | 34 | 2.80 | | 0.89 | 85.72 | |
| | Bottom | 34 | 3.05 | | 0.89 | 93.38 | |
| | Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | Top | 22 | 4.30 | | 0.62 | 59.72 | |
| | Bottom | 24 | 4.30 | | 0.62 | 65.05 | |
| | **Deck Slab** | | | | | | |
| | **Right Side CrossNear Veterinary Hospital)** | | | | | | |
| | **Total Drain length=30.20mtr** | | | | | | |
| | Main bar 10mm dia bar @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | | | | | | |
| | | 201 | 2.35 | | 0.62 | 293.34 | |
| | Distribution bar 10mm dia @ 125mm c/c | | | | | | |
| | 0.62kg/mtr | 16 | 30.20 | | 0.62 | 293.34 | |
| | | | | | **Present Qty** | **7487.01** | **Kg** |
| | | | | | **Present Qty** | **7.49** | **Tonne** |

PMC

BVH Consulting Engineers Pvt. Ltd. Bangalore

Assistant Engineer
Ward No.10

Asst. Executive Engineer,
Vidyaranya Pura Sub division

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

**Name of Work :Improvements to Roads and Drains at Doddabommasandra Old Village, Subbanna Beedi and Surrounding areas in ward No 10 Doddabommasandra.**

**Pre measurements**

**Pre measurement recorded on:** 12/03/2020.

| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| 10 | Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. | | | | | | | | |
| | **For CC Road** | | | | | | | | |
| | **Doddabommasandra village Surroundings** | | | | | | | | |
| | **Main Road(Near VeterinaryHospital)** | | | | | | | | |
| | | 1 | 2.80 | 1.45 | 1.60 | 1.53 | 0.20 | 0.85 | |
| | | 1 | 12.40 | 6.85 | 6.60 | 6.73 | 0.20 | 16.68 | |
| | | 1 | 16.90 | 5.00 | 4.50 | 4.75 | 0.20 | 16.06 | |
| | | 1 | 15.00 | 5.50 | 4.55 | 5.03 | 0.20 | 15.08 | |
| | | 1 | 9.00 | 4.55 | 5.60 | 5.08 | 0.20 | 9.14 | |
| | | 1 | 9.90 | 7.40 | 6.00 | 6.70 | 0.20 | 13.27 | |
| | | 1 | 9.00 | 4.55 | 5.35 | 4.95 | 0.20 | 8.91 | |
| | **1st cross (Raja Beedhi)** | | | | | | | | |
| | | 1 | 5.20 | 2.90 | 2.70 | 2.80 | 0.20 | 2.91 | |
| | | 1 | 4.30 | 3.50 | 4.00 | 3.75 | 0.15 | 2.42 | |
| | | 1 | 13.30 | 3.15 | 2.75 | 2.95 | 0.15 | 5.89 | |
| | | 1 | 6.70 | 1.70 | 2.40 | 2.05 | 0.20 | 2.75 | |
| | | 1 | 15.00 | 3.20 | 2.35 | 2.78 | 0.15 | 6.24 | |
| | | 1 | 15.80 | 2.35 | 2.90 | 2.63 | 0.15 | 6.22 | |
| | **Cross Road-1** | | | | | | | | |
| | | 1 | 4.30 | 2.70 | 2.70 | 2.70 | 0.15 | 1.74 | |
| | | 1 | 18.00 | 3.30 | 3.60 | 3.45 | 0.15 | 9.32 | |
| | | 1 | 2.55 | 2.60 | 1.55 | 2.08 | 0.15 | 0.79 | |
| | | 1 | 15.00 | 1.60 | 1.90 | 1.75 | 0.15 | 3.94 | |
| | | 1 | 7.60 | 1.90 | 2.90 | 2.40 | 0.15 | 2.74 | |
| | **Cross Road-2** | | | | | | | | |
| | | 1 | 3.40 | 2.10 | 2.00 | 2.05 | 0.15 | 1.05 | |
| | | 1 | 9.90 | 2.40 | 2.00 | 2.20 | 0.15 | 3.27 | |
| | | 1 | 4.30 | 3.40 | 3.40 | 3.40 | 0.15 | 2.19 | |
| | | 1 | 5.15 | 1.40 | 1.30 | 1.35 | 0.15 | 1.04 | |
| | | 1 | 7.85 | 3.50 | 3.20 | 3.35 | 0.15 | 3.94 | |
| | | 1 | 3.20 | 2.45 | 2.25 | 2.35 | 0.15 | 1.13 | |
| | | 1 | 15.00 | 1.70 | 1.90 | 1.80 | 0.15 | 4.05 | |
| | | 1 | 5.90 | 1.90 | 2.20 | 2.05 | 0.15 | 1.81 | |
| | | 1 | 6.65 | 1.85 | 2.20 | 2.03 | 0.15 | 2.02 | |
| | Approch | 1 | 2.10 | 1.20 | 1.20 | 1.20 | 0.15 | 0.38 | |
| | **Cross Road-3** | | | | | | | | |
| | | 1 | 2.00 | 2.20 | 1.50 | 1.85 | 0.15 | 0.56 | |
| | | 1 | 6.00 | 2.50 | 1.50 | 2.00 | 0.15 | 1.80 | |
| | | 1 | 10.30 | 1.50 | 0.80 | 1.15 | 0.15 | 1.78 | |
| | **Cross Road-4** | | | | | | | | |

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 5.70 | 1.80 | 1.80 | 1.80 | 0.15 | 1.54 | |
| | | 1 | 2.65 | 1.60 | 1.60 | 1.60 | 0.15 | 0.64 | |
| | | 1 | 2.00 | 1.25 | 1.25 | 1.25 | 0.15 | 0.38 | |
| | | 1 | 4.40 | 3.35 | 2.55 | 2.95 | 0.15 | 1.95 | |
| | **Cross Road-5** | | | | | | | | |
| | | 1 | 14.20 | 2.60 | 2.30 | 2.45 | 0.15 | 5.22 | |
| | | 1 | 5.20 | 3.00 | 3.90 | 3.45 | 0.15 | 2.69 | |
| | | 1 | (1/2*1.8*2.35) | | | | 0.15 | 0.32 | |
| | | 1 | 7.00 | 1.90 | 2.30 | 2.10 | 0.15 | 2.21 | |
| | | 1 | 7.00 | 2.00 | 2.70 | 2.35 | 0.15 | 2.47 | |
| | | 1 | 1.75 | 1.90 | 1.90 | 1.90 | 0.15 | 0.50 | |
| | **Cross Road-6** | | | | | | | | |
| | | 1 | 7.90 | 1.60 | 1.60 | 1.60 | 0.15 | 1.90 | |
| | | 1 | 15.60 | 3.00 | 2.70 | 2.85 | 0.15 | 6.67 | |
| | | 1 | 4.30 | 2.70 | 2.30 | 2.50 | 0.15 | 1.61 | |
| | **Cross Road-7** | | | | | | | | |
| | | 1 | 15.00 | 1.60 | 1.80 | 1.70 | 0.15 | 3.83 | |
| | | 1 | 7.50 | 4.00 | 5.00 | 4.50 | 0.15 | 5.06 | |
| | **Cross Road-8** | | | | | | | | |
| | | 1 | 15.00 | 3.10 | 3.00 | 3.05 | 0.20 | 9.15 | |
| | | 1 | 18.30 | 3.30 | 2.45 | 2.88 | 0.20 | 10.52 | |
| | | 1 | 1.45 | 1.25 | 1.25 | 1.25 | 0.20 | 0.36 | |
| | **Cross Road-9** | | | | | | | | |
| | | 1 | 2.70 | 3.80 | 3.00 | 3.40 | 0.15 | 1.38 | |
| | | 1 | 13.00 | 2.60 | 2.30 | 2.45 | 0.15 | 4.78 | |
| | | 1 | 1.20 | 1.20 | 1.20 | 1.20 | 0.15 | 0.22 | |
| | **Cross Road-10** | | | | | | | | |
| | | 1 | 3.40 | 3.20 | 2.90 | 3.05 | 0.15 | 1.56 | |
| | | 1 | 15.00 | 2.00 | 1.95 | 1.98 | 0.15 | 4.44 | |
| | **2nd A cross road** | | | | | | | | |
| | | 1 | 15.00 | 1.50 | 1.90 | 1.70 | 0.20 | 5.10 | |
| | | 1 | 3.40 | 3.60 | 3.60 | 3.60 | 0.20 | 2.45 | |
| | | 1 | 5.55 | 3.40 | 3.70 | 3.55 | 0.20 | 3.94 | |
| | | 1 | 17.50 | 4.60 | 3.60 | 4.10 | 0.20 | 14.35 | |
| | **Cross road From 2nd A cross** | | | | | | | | |
| | | 1 | 10.60 | 3.80 | 2.90 | 3.35 | 0.15 | 5.33 | |
| | | 1 | 7.40 | 3.40 | 2.80 | 3.10 | 0.15 | 3.44 | |
| | | 1 | 9.60 | 2.00 | 1.75 | 1.88 | 0.15 | 2.70 | |
| | | 1 | 4.00 | 1.20 | 0.90 | 1.05 | 0.15 | 0.63 | |
| | | 1 | 8.70 | 2.60 | 3.90 | 3.25 | 0.15 | 4.24 | |
| | **Near 2nd A Cross** | | | | | | | | |
| | | 1 | 3.00 | 2.40 | 2.40 | 2.40 | 0.15 | 1.08 | |
| | | 1 | 3.00 | 1.75 | 1.85 | 1.80 | 0.15 | 0.81 | |
| | | 1 | 4.70 | 1.80 | 1.80 | 1.80 | 0.15 | 1.27 | |
| | **Subbanna Main Road** | | | | | | | | |
| | | 1 | 15.00 | 4.75 | 4.30 | 4.53 | 0.20 | 13.58 | |
| | | 1 | 15.00 | 4.30 | 4.50 | 4.40 | 0.20 | 13.20 | |

Assistant Executive Engineer
Vijayapura Sub Division
BBMP, Bangalore-9

| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 13.60 | 4.50 | 4.40 | 4.45 | 0.20 | 12.10 | |
| | | 1 | 15.00 | 4.00 | 3.80 | 3.90 | 0.20 | 11.70 | |
| | | 1 | 9.40 | 3.80 | 4.10 | 3.95 | 0.20 | 7.43 | |
| | **2nd A cross** | | | | | | | | |
| | | 1 | 15.00 | 3.90 | 3.90 | 3.90 | 0.20 | 11.70 | |
| | | 1 | 15.00 | 3.90 | 3.70 | 3.80 | 0.20 | 11.40 | |
| | | 1 | 8.80 | 3.70 | 3.50 | 3.60 | 0.20 | 6.34 | |
| | **2nd B cross** | | | | | | | | |
| | | 1 | 15.00 | 4.20 | 4.70 | 4.45 | 0.20 | 13.35 | |
| | | 1 | 15.00 | 4.70 | 4.10 | 4.40 | 0.20 | 13.20 | |
| | | 1 | 12.50 | 4.10 | 4.50 | 4.30 | 0.20 | 10.75 | |
| | **2nd C cross** | | | | | | | | |
| | | 1 | 15.00 | 5.50 | 5.50 | 5.50 | 0.20 | 16.50 | |
| | | 1 | 12.30 | 5.50 | 5.40 | 5.45 | 0.20 | 13.41 | |
| | | 1 | 6.10 | 4.20 | 4.20 | 4.20 | 0.15 | 3.84 | |
| | **2nd cross, Jayamma road** | | | | | | | | |
| | | 1 | 15.00 | 3.30 | 3.30 | 3.30 | 0.20 | 9.90 | |
| | | 1 | 15.00 | 3.30 | 3.45 | 3.38 | 0.20 | 10.13 | |
| | | 1 | 15.00 | 3.45 | 3.80 | 3.63 | 0.20 | 10.88 | |
| | | 1 | 14.40 | 3.80 | 4.00 | 3.90 | 0.20 | 11.23 | |
| | | 1 | 10.00 | 5.60 | 5.70 | 5.65 | 0.20 | 11.30 | |
| | **Deductions** | | | | | | | | |
| | **Main Road(Near Veterinary Hospital)** | | | | | | | | |
| | Chamber | -1 | 1.40 | 1.40 | 1.40 | 1.40 | 0.15 | -0.29 | |
| | | -1 | 0.60 | 0.60 | 0.60 | 0.60 | 0.15 | -0.05 | |
| | step | -1 | 3.00 | 0.60 | 0.60 | 0.60 | 0.15 | -0.27 | |
| | STD Booth | -1 | 0.70 | 0.60 | 0.60 | 0.60 | 0.15 | -0.06 | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.19 | |
| | **1st cross (Raja Beedhi)** | | | | | | | | |
| | Chamber | -2 | 0.60 | 0.60 | 0.60 | 0.60 | 0.15 | -0.11 | |
| | step | -1 | 1.45 | 0.30 | 0.30 | 0.30 | 0.15 | -0.07 | |
| | | -1 | 2.30 | 0.30 | 0.30 | 0.30 | 0.15 | -0.10 | |
| | Man Hole | -3 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.29 | |
| | **Cross Road-1** | | | | | | | | |
| | Chamber | -1 | 0.70 | 0.60 | 0.60 | 0.60 | 0.15 | -0.06 | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.19 | |
| | **Cross Road-2** | | | | | | | | |
| | Chamber | -2 | 0.60 | 0.60 | 0.60 | 0.60 | 0.15 | -0.11 | |
| | | -1 | 0.80 | 0.70 | 0.70 | 0.70 | 0.15 | -0.08 | |
| | steps | -1 | 1.80 | 0.80 | 0.80 | 0.80 | 0.15 | -0.22 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **Cross Road-3** | | | | | | | | |
| | Chamber | -1 | 0.80 | 0.80 | 0.80 | 0.80 | 0.15 | -0.10 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **Cross Road-5** | | | | | | | | |
| | Chamber | -1 | 1.20 | 1.20 | 1.20 | 1.20 | 0.15 | -0.22 | |
| | | -1 | 0.45 | 0.45 | 0.45 | 0.45 | 0.15 | -0.03 | |
| | | -1 | 0.80 | 0.80 | 0.80 | 0.80 | 0.15 | -0.10 | |

| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | steps | -1 | 1.00 | 0.80 | 0.80 | 0.80 | 0.15 | -0.12 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **Cross Road-6** | | | | | | | | |
| | Toilet | -1 | 1.20 | 0.70 | 0.70 | 0.70 | 0.15 | -0.13 | |
| | Electric Pole | -3 | 0.20 | 0.15 | 0.15 | 0.15 | 0.15 | -0.01 | |
| | **Cross Road-7** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **Cross Road-8** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **2nd A cross road** | | | | | | | | |
| | steps | -1 | 1.20 | 0.50 | 0.50 | 0.50 | 0.15 | -0.09 | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.19 | |
| | **Cross road From 2nd A cross** | | | | | | | | |
| | Chamber | -1 | 0.45 | 0.45 | 0.45 | 0.45 | 0.15 | -0.03 | |
| | | -1 | 1.10 | 1.60 | 1.60 | 1.60 | 0.15 | -0.26 | |
| | Tank | -1 | 1.20 | 1.00 | 1.00 | 1.00 | 0.15 | -0.18 | |
| | steps | -1 | 4.00 | 0.60 | 0.60 | 0.60 | 0.15 | -0.36 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **Subbanna Main Road** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **2nd A cross** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **2nd B cross** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **2nd C cross** | | | | | | | | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.19 | |
| | **2nd cross, Jayamma road** | | | | | | | | |
| | Man Hole | -3 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.29 | |
| | Steps | -1 | 2.00 | 1.00 | 1.00 | 1.00 | 0.15 | -0.30 | |
| | | | | | | | **Present Qty** | **471.02** | **Cum** |

BVH Consulting Engineers Pvt. Ltd. Bangalore

BMC

Assistant Engineer
Ward No.10

Asst. Executive Engineer,
Vidyaranya Pura Sub division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

**Name of Work :Improvements to Roads and Drains at Doddabommasandra Old Village, Subbanna Beedi and Surrounding areas in ward No 10 Doddabommasandra.**

**Detailed measurements**

**Detailed measurement recorded on:** 14/03/2020

| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| 11 | Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. | | | | | | | | |
| | **For CC Road** | | | | | | | | |
| | **Doddabommasandra village Surroundings** | | | | | | | | |
| | **Main Road(Near Veterinary Hospital)** | | | | | | | | |
| | | 1 | 2.80 | 1.45 | 1.60 | 1.53 | | 4.27 | |
| | | 1 | 12.40 | 6.85 | 6.60 | 6.73 | | 83.39 | |
| | | 1 | 16.90 | 5.00 | 4.50 | 4.75 | | 80.28 | |
| | | 1 | 15.00 | 5.50 | 4.55 | 5.03 | | 75.38 | |
| | | 1 | 9.00 | 4.55 | 5.60 | 5.08 | | 45.68 | |
| | | 1 | 9.90 | 7.40 | 6.00 | 6.70 | | 66.33 | |
| | | 1 | 9.00 | 4.55 | 5.35 | 4.95 | | 44.55 | |
| | **1st cross (Raja Beedhi)** | | | | | | | | |
| | | 1 | 5.20 | 2.90 | 2.70 | 2.80 | | 14.56 | |
| | | 1 | 4.30 | 3.50 | 4.00 | 3.75 | | 16.13 | |
| | | 1 | 13.30 | 3.15 | 2.75 | 2.95 | | 39.24 | |
| | | 1 | 6.70 | 1.70 | 2.40 | 2.05 | | 13.74 | |
| | | 1 | 15.00 | 3.20 | 2.35 | 2.78 | | 41.63 | |
| | | 1 | 15.80 | 2.35 | 2.90 | 2.63 | | 41.48 | |
| | **Cross Road-1** | | | | | | | | |
| | | 1 | 4.30 | 2.70 | 2.70 | 2.70 | | 11.61 | |
| | | 1 | 18.00 | 3.30 | 3.60 | 3.45 | | 62.10 | |
| | | 1 | 2.55 | 2.60 | 1.55 | 2.08 | | 5.29 | |
| | | 1 | 15.00 | 1.60 | 1.90 | 1.75 | | 26.25 | |
| | | 1 | 7.60 | 1.90 | 2.90 | 2.40 | | 18.24 | |
| | **Cross Road-2** | | | | | | | | |
| | | 1 | 3.40 | 2.10 | 2.00 | 2.05 | | 6.97 | |
| | | 1 | 9.90 | 2.40 | 2.00 | 2.20 | | 21.78 | |
| | | 1 | 4.30 | 3.40 | 3.40 | 3.40 | | 14.62 | |
| | | 1 | 5.15 | 1.40 | 1.30 | 1.35 | | 6.95 | |
| | | 1 | 7.85 | 3.50 | 3.20 | 3.35 | | 26.30 | |
| | | 1 | 3.20 | 2.45 | 2.25 | 2.35 | | 7.52 | |
| | | 1 | 15.00 | 1.70 | 1.90 | 1.80 | | 27.00 | |
| | | 1 | 5.90 | 1.90 | 2.20 | 2.05 | | 12.10 | |
| | | 1 | 6.65 | 1.85 | 2.20 | 2.03 | | 13.47 | |
| | Approch | 1 | 2.10 | 1.20 | 1.20 | 1.20 | | 2.52 | |
| | **Cross Road-3** | | | | | | | | |
| | | 1 | 2.00 | 2.20 | 1.50 | 1.85 | | 3.70 | |
| | | 1 | 6.00 | 2.50 | 1.50 | 2.00 | | 12.00 | |
| | | 1 | 10.30 | 1.50 | 0.80 | 1.15 | | 11.85 | |
| | **Cross Road-4** | | | | | | | | |
| | | 1 | 5.70 | 1.80 | 1.80 | 1.80 | | 10.26 | |
| | | 1 | 2.65 | 1.60 | 1.60 | 1.60 | | 4.24 | |
| | | 1 | 2.00 | 1.25 | 1.25 | 1.25 | | 2.50 | |
| | | 1 | 4.40 | 3.35 | 2.55 | 2.95 | | 12.98 | |
| | **Cross Road-5** | | | | | | | | |
| | | 1 | 14.20 | 2.60 | 2.30 | 2.45 | | 34.79 | |

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 5.20 | 3.00 | 3.90 | 3.45 | | 17.94 | |
| | | 1 | | (1/2*1.8*2.35) | | | | 2.12 | |
| | | 1 | 7.00 | 1.90 | 2.30 | 2.10 | | 14.70 | |
| | | 1 | 7.00 | 2.00 | 2.70 | 2.35 | | 16.45 | |
| | | 1 | 1.75 | 1.90 | 1.90 | 1.90 | | 3.33 | |
| | Cross Road-6 | | | | | | | | |
| | | 1 | 7.90 | 1.60 | 1.60 | 1.60 | | 12.64 | |
| | | 1 | 15.60 | 3.00 | 2.70 | 2.85 | | 44.46 | |
| | | 1 | 4.30 | 2.70 | 2.30 | 2.50 | | 10.75 | |
| | Cross Road-7 | | | | | | | | |
| | | 1 | 15.00 | 1.60 | 1.80 | 1.70 | | 25.50 | |
| | | 1 | 7.50 | 4.00 | 5.00 | 4.50 | | 33.75 | |
| | Cross Road-8 | | | | | | | | |
| | | 1 | 15.00 | 3.10 | 3.00 | 3.05 | | 45.75 | |
| | | 1 | 18.30 | 3.30 | 2.45 | 2.88 | | 52.61 | |
| | | 1 | 1.45 | 1.25 | 1.25 | 1.25 | | 1.81 | |
| | Cross Road-9 | | | | | | | | |
| | | 1 | 2.70 | 3.80 | 3.00 | 3.40 | | 9.18 | |
| | | 1 | 13.00 | 2.60 | 2.30 | 2.45 | | 31.85 | |
| | | 1 | 1.20 | 1.20 | 1.20 | 1.20 | | 1.44 | |
| | Cross Road-10 | | | | | | | | |
| | | 1 | 3.40 | 3.20 | 2.90 | 3.05 | | 10.37 | |
| | | 1 | 15.00 | 2.00 | 1.95 | 1.98 | | 29.63 | |
| | 2nd A cross road | | | | | | | | |
| | | 1 | 15.00 | 1.50 | 1.90 | 1.70 | | 25.50 | |
| | | 1 | 3.40 | 3.60 | 3.60 | 3.60 | | 12.24 | |
| | | 1 | 5.55 | 3.40 | 3.70 | 3.55 | | 19.70 | |
| | | 1 | 17.50 | 4.60 | 3.60 | 4.10 | | 71.75 | |
| | Cross road From 2nd A cross | | | | | | | | |
| | | 1 | 10.60 | 3.80 | 2.90 | 3.35 | | 35.51 | |
| | | 1 | 7.40 | 3.40 | 2.80 | 3.10 | | 22.94 | |
| | | 1 | 9.60 | 2.00 | 1.75 | 1.88 | | 18.00 | |
| | | 1 | 4.00 | 1.20 | 0.90 | 1.05 | | 4.20 | |
| | | 1 | 8.70 | 2.60 | 3.90 | 3.25 | | 28.28 | |
| | | | | | | | | | |
| | Near 2nd A Cross | | | | | | | | |
| | | 1 | 3.00 | 2.40 | 2.40 | 2.40 | | 7.20 | |
| | | 1 | 3.00 | 1.75 | 1.85 | 1.80 | | 5.40 | |
| | | 1 | 4.70 | 1.80 | 1.80 | 1.80 | | 8.46 | |
| | Ashwath Katte | | | | | | | | |
| | | 1 | 15.60 | 4.40 | 5.10 | 4.75 | | 74.10 | |
| | | 1 | 9.20 | 4.80 | 4.45 | 4.63 | | 42.55 | |
| | Subbanna Main Road | | | | | | | | |
| | | 1 | 15.00 | 4.75 | 4.30 | 4.53 | | 67.88 | |
| | | 1 | 15.00 | 4.30 | 4.50 | 4.40 | | 66.00 | |
| | | 1 | 13.60 | 4.50 | 4.40 | 4.45 | | 60.52 | |
| | | | | | | | | | |
| | | 1 | 15.00 | 4.00 | 3.80 | 3.90 | | 58.50 | |
| | | 1 | 9.40 | 3.80 | 4.10 | 3.95 | | 37.13 | |
| | 2nd A cross | | | | | | | | |
| | | 1 | 15.00 | 3.90 | 3.90 | 3.90 | | 58.50 | |
| | | 1 | 15.00 | 3.90 | 3.70 | 3.80 | | 57.00 | |
| | | 1 | 8.80 | 3.70 | 3.50 | 3.60 | | 31.68 | |
| | 2nd B cross | | | | | | | | |

Assistant Executive Engineer
Vijayanagar Sub Division
BBMP, Bangalore - 97

| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 15.00 | 4.20 | 4.70 | 4.45 | | 66.75 | |
| | | 1 | 15.00 | 4.70 | 4.10 | 4.40 | | 66.00 | |
| | | 1 | 12.50 | 4.10 | 4.50 | 4.30 | | 53.75 | |
| | **2nd C cross** | | | | | | | | |
| | | 1 | 15.00 | 5.50 | 5.50 | 5.50 | | 82.50 | |
| | | 1 | 12.30 | 5.50 | 5.40 | 5.45 | | 67.04 | |
| | | 1 | 6.10 | 4.20 | 4.20 | 4.20 | | 25.62 | |
| | **2nd cross, Jayamma road** | | | | | | | | |
| | | 1 | 15.00 | 3.30 | 3.30 | 3.30 | | 49.50 | |
| | | 1 | 15.00 | 3.30 | 3.45 | 3.38 | | 50.63 | |
| | | 1 | 15.00 | 3.45 | 3.80 | 3.63 | | 54.38 | |
| | | 1 | 14.40 | 3.80 | 4.00 | 3.90 | | 56.16 | |
| | | 1 | 10.00 | 5.60 | 5.70 | 5.65 | | 56.50 | |
| | **Deductions** | | | | | | | | |
| | **Main Road(Near Veterinary Hospital)** | | | | | | | | |
| | Chamber | -1 | 1.40 | 1.40 | 1.40 | 1.40 | | -1.96 | |
| | | -1 | 0.60 | 0.60 | 0.60 | 0.60 | | -0.36 | |
| | step | -1 | 3.00 | 0.60 | 0.60 | 0.60 | | -1.80 | |
| | STD Booth | -1 | 0.70 | 0.60 | 0.60 | 0.60 | | -0.42 | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | | -1.27 | |
| | **1st cross (Raja Beedhi)** | | | | | | | | |
| | Chamber | -2 | 0.60 | 0.60 | 0.60 | 0.60 | | -0.72 | |
| | step | -1 | 1.45 | 0.30 | 0.30 | 0.30 | | -0.44 | |
| | | -1 | 2.30 | 0.30 | 0.30 | 0.30 | | -0.69 | |
| | Man Hole | -3 | | (3.142*0.9*0.9/4) | | | | -1.91 | |
| | **Cross Road-1** | | | | | | | | |
| | Chamber | -1 | 0.70 | 0.60 | 0.60 | 0.60 | | -0.42 | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | | -1.27 | |
| | **Cross Road-2** | | | | | | | | |
| | Chamber | -2 | 0.60 | 0.60 | 0.60 | 0.60 | | -0.72 | |
| | | -1 | 0.80 | 0.70 | 0.70 | 0.70 | | -0.56 | |
| | steps | -1 | 1.80 | 0.80 | 0.80 | 0.80 | | -1.44 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | | -0.64 | |
| | **Cross Road-3** | | | | | | | | |
| | Chamber | -1 | 0.80 | 0.80 | 0.80 | 0.80 | | -0.64 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | | -0.64 | |
| | **Cross Road-5** | | | | | | | | |
| | Chamber | -1 | 1.20 | 1.20 | 1.20 | 1.20 | | -1.44 | |
| | | -1 | 0.45 | 0.45 | 0.45 | 0.45 | | -0.20 | |
| | | -1 | 0.80 | 0.80 | 0.80 | 0.80 | | -0.64 | |
| | steps | -1 | 1.00 | 0.80 | 0.80 | 0.80 | | -0.80 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | | -0.64 | |
| | **Cross Road-6** | | | | | | | | |
| | Toilet | -1 | 1.20 | 0.70 | 0.70 | 0.70 | | -0.84 | |
| | Electric Pole | -3 | 0.20 | 0.15 | 0.15 | 0.15 | | -0.09 | |
| | **Cross Road-7** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | | -0.64 | |
| | **Cross Road-8** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | | -0.64 | |
| | **2nd A cross road** | | | | | | | | |
| | steps | -1 | 1.20 | 0.50 | 0.50 | 0.50 | | -0.60 | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | | -1.27 | |
| | **Cross road From 2nd A cross** | | | | | | | | |
| | Chamber | -1 | 0.45 | 0.45 | 0.45 | 0.45 | | -0.20 | |
| | | -1 | 1.10 | 1.60 | 1.60 | 1.60 | | -1.76 | |

Assistant Executive Engin
Vijayanagara Sub Divis
BBMP, Bangalore - 0

| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | Tank | -1 | 1.20 | 1.00 | 1.00 | 1.00 | | -1.20 | |
| | steps | -1 | 4.00 | 0.60 | 0.60 | 0.60 | | -2.40 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | | -0.64 | |
| | **Ashwath Katte** | | | | | | | | |
| | Pole | -1 | 0.60 | 0.50 | 0.50 | 0.50 | | -0.30 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | | -0.64 | |
| | **Subbanna Main Road** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | | -0.64 | |
| | **2nd A cross** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | | -0.64 | |
| | **2nd B cross** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | | -0.64 | |
| | **2nd C cross** | | | | | | | | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | | -1.27 | |
| | **2nd cross, Jayamma road** | | | | | | | | |
| | Man Hole | -3 | | (3.142*0.9*0.9/4) | | | | -1.91 | |
| | Steps | -1 | 2.00 | 1.00 | 1.00 | 1.00 | | -2.00 | |
| | | | | | | | **Present Qty** | **2689.86** | **Sqm** |

PMC

Assistant Engineer
Ward No.10

Asst. Executive Engineer
Vidyaranya Pura Sub division

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

**Name of Work :Improvements to Roads and Drains at Doddabommasandra Old Village, Subbanna Beedi and Surrounding areas in ward No 10 Doddabommasandra.**

**Pre measurements**

**Pre measurement recorded on:** 13/05/2020.

| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| 12 | Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. | | | | | | | | |
| | **For CC Road** | | | | | | | | |
| | **Doddabommasandra village Surroundings** | | | | | | | | |
| | **Main Road(Near Veterinary Hoapital)** | | | | | | | | |
| | | 1 | 2.80 | 1.45 | 1.60 | 1.53 | 0.15 | 0.64 | |
| | | 1 | 12.40 | 6.85 | 6.60 | 6.73 | 0.15 | 12.51 | |
| | | 1 | 16.90 | 5.00 | 4.50 | 4.75 | 0.15 | 12.04 | |
| | | 1 | 15.00 | 5.50 | 4.55 | 5.03 | 0.15 | 11.31 | |
| | | 1 | 9.00 | 4.55 | 5.60 | 5.08 | 0.15 | 6.85 | |
| | | 1 | 9.90 | 7.40 | 6.00 | 6.70 | 0.15 | 9.95 | |
| | | 1 | 9.00 | 4.55 | 5.35 | 4.95 | 0.15 | 6.68 | |
| | **Right Side CrossNear Veterinary Hospital** | | | | | | | | |
| | | 1 | 11.80 | 1.40 | 1.40 | 1.40 | 0.15 | 2.48 | |
| | | 1 | 18.40 | 1.00 | 1.00 | 1.00 | 0.15 | 2.76 | |
| | **1st cross (Raja Beedhi)** | | | | | | | | |
| | | 1 | 5.20 | 2.90 | 2.70 | 2.80 | 0.15 | 2.18 | |
| | | 1 | 4.30 | 3.50 | 4.00 | 3.75 | 0.15 | 2.42 | |
| | | 1 | 13.30 | 3.15 | 2.75 | 2.95 | 0.15 | 5.89 | |
| | | 1 | 6.70 | 1.70 | 2.40 | 2.05 | 0.15 | 2.06 | |
| | | 1 | 15.00 | 3.20 | 2.35 | 2.78 | 0.15 | 6.24 | |
| | | 1 | 15.80 | 2.35 | 2.90 | 2.63 | 0.15 | 6.22 | |
| | **Cross Road-1** | | | | | | | | |
| | | 1 | 4.30 | 2.70 | 2.70 | 2.70 | 0.15 | 1.74 | |
| | | 1 | 18.00 | 3.30 | 3.60 | 3.45 | 0.15 | 9.32 | |
| | | 1 | 2.55 | 2.60 | 1.55 | 2.08 | 0.15 | 0.79 | |
| | | 1 | 15.00 | 1.60 | 1.90 | 1.75 | 0.15 | 3.94 | |
| | | 1 | 7.60 | 1.90 | 2.90 | 2.40 | 0.15 | 2.74 | |
| | **Cross Road-2** | | | | | | | | |
| | | 1 | 3.40 | 2.10 | 2.00 | 2.05 | 0.15 | 1.05 | |
| | | 1 | 9.90 | 2.40 | 2.00 | 2.20 | 0.15 | 3.27 | |
| | | 1 | 4.30 | 3.40 | 3.40 | 3.40 | 0.15 | 2.19 | |
| | | 1 | 5.15 | 1.40 | 1.30 | 1.35 | 0.15 | 1.04 | |
| | | 1 | 7.85 | 3.50 | 3.20 | 3.35 | 0.15 | 3.94 | |
| | | 1 | 3.20 | 2.45 | 2.25 | 2.35 | 0.15 | 1.13 | |
| | | 1 | 15.00 | 1.70 | 1.90 | 1.80 | 0.15 | 4.05 | |
| | | 1 | 5.90 | 1.90 | 2.20 | 2.05 | 0.15 | 1.81 | |
| | | 1 | 6.65 | 1.85 | 2.20 | 2.03 | 0.15 | 2.02 | |
| | Approch | 1 | 2.10 | 1.20 | 1.20 | 1.20 | 0.15 | 0.38 | |

| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | **Cross Road-3** | | | | | | | | |
| | | 1 | 2.00 | 2.20 | 1.50 | 1.85 | 0.15 | 0.56 | |
| | | 1 | 6.00 | 2.50 | 1.50 | 2.00 | 0.15 | 1.80 | |
| | | 1 | 10.30 | 1.50 | 0.80 | 1.15 | 0.15 | 1.78 | |
| | **Cross Road-4** | | | | | | | | |
| | | 1 | 5.70 | 1.80 | 1.80 | 1.80 | 0.15 | 1.54 | |
| | | 1 | 2.65 | 1.60 | 1.60 | 1.60 | 0.15 | 0.64 | |
| | | 1 | 2.00 | 1.25 | 1.25 | 1.25 | 0.15 | 0.38 | |
| | | 1 | 4.40 | 3.35 | 2.55 | 2.95 | 0.15 | 1.95 | |
| | **Cross Road-5** | | | | | | | | |
| | | 1 | 14.20 | 2.60 | 2.30 | 2.45 | 0.15 | 5.22 | |
| | | 1 | 5.20 | 3.00 | 3.90 | 3.45 | 0.15 | 2.69 | |
| | | 1 | | (1/2*1.8*2.35) | | | 0.15 | 0.32 | |
| | | 1 | 7.00 | 1.90 | 2.30 | 2.10 | 0.15 | 2.21 | |
| | | 1 | 7.00 | 2.00 | 2.70 | 2.35 | 0.15 | 2.47 | |
| | | 1 | 1.75 | 1.90 | 1.90 | 1.90 | 0.15 | 0.50 | |
| | **Cross Road-6** | | | | | | | | |
| | | 1 | 7.90 | 1.60 | 1.60 | 1.60 | 0.15 | 1.90 | |
| | | 1 | 15.60 | 3.00 | 2.70 | 2.85 | 0.15 | 6.67 | |
| | | 1 | 4.30 | 2.70 | 2.30 | 2.50 | 0.15 | 1.61 | |
| | **Cross Road-7** | | | | | | | | |
| | | 1 | 15.00 | 1.60 | 1.80 | 1.70 | 0.15 | 3.83 | |
| | | 1 | 7.50 | 4.00 | 5.00 | 4.50 | 0.15 | 5.06 | |
| | **Cross Road-8** | | | | | | | | |
| | | 1 | 15.00 | 3.10 | 3.00 | 3.05 | 0.15 | 6.86 | |
| | | 1 | 18.30 | 3.30 | 2.45 | 2.88 | 0.15 | 7.89 | |
| | | 1 | 1.45 | 1.25 | 1.25 | 1.25 | 0.15 | 0.27 | |
| | **Cross Road-9** | | | | | | | | |
| | | 1 | 2.70 | 3.80 | 3.00 | 3.40 | 0.15 | 1.38 | |
| | | 1 | 13.00 | 2.60 | 2.30 | 2.45 | 0.15 | 4.78 | |
| | | 1 | 1.20 | 1.20 | 1.20 | 1.20 | 0.15 | 0.22 | |
| | **Cross Road-10** | | | | | | | | |
| | | 1 | 3.40 | 3.20 | 2.90 | 3.05 | 0.15 | 1.56 | |
| | | 1 | 15.00 | 2.00 | 1.95 | 1.98 | 0.15 | 4.44 | |
| | **2nd A cross road** | | | | | | | | |
| | | 1 | 15.00 | 1.50 | 1.90 | 1.70 | 0.15 | 3.83 | |
| | | 1 | 3.40 | 3.60 | 3.60 | 3.60 | 0.15 | 1.84 | |
| | | 1 | 5.55 | 3.40 | 3.70 | 3.55 | 0.15 | 2.96 | |
| | | 1 | 17.50 | 4.60 | 3.60 | 4.10 | 0.15 | 10.76 | |
| | **Cross road From 2nd A cross** | | | | | | | | |
| | | 1 | 10.60 | 3.80 | 2.90 | 3.35 | 0.15 | 5.33 | |
| | | 1 | 7.40 | 3.40 | 2.80 | 3.10 | 0.15 | 3.44 | |
| | | 1 | 9.60 | 2.00 | 1.75 | 1.88 | 0.15 | 2.70 | |
| | | 1 | 4.00 | 1.20 | 0.90 | 1.05 | 0.15 | 0.63 | |
| | | 1 | 8.70 | 2.60 | 3.90 | 3.25 | 0.15 | 4.24 | |
| | **Near 2nd A Cross** | | | | | | | | |
| | | 1 | 3.00 | 2.40 | 2.40 | 2.40 | 0.15 | 1.08 | |

Assistant Executive Engineer
Vijayanagara Sub Division
BBMP, Bangalore - 97

| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | | 1 | 3.00 | 1.75 | 1.85 | 1.80 | 0.15 | 0.81 | |
| | **Ashwath Katte** | 1 | 4.70 | 1.80 | 1.80 | 1.80 | 0.15 | 1.27 | |
| | | 1 | 15.60 | 4.40 | 5.10 | 4.75 | 0.15 | 11.12 | |
| | **Subbanna Main Road** | 1 | 9.20 | 4.80 | 4.45 | 4.63 | 0.15 | 6.38 | |
| | | 1 | 15.00 | 4.75 | 4.30 | 4.53 | 0.15 | 10.18 | |
| | | 1 | 15.00 | 4.30 | 4.50 | 4.40 | 0.15 | 9.90 | |
| | | 1 | 13.60 | 4.50 | 4.40 | 4.45 | 0.15 | 9.08 | |
| | | 1 | 15.00 | 4.00 | 3.80 | 3.90 | 0.15 | 8.78 | |
| | **2nd A cross** | 1 | 9.40 | 3.80 | 4.10 | 3.95 | 0.15 | 5.57 | |
| | | 1 | 15.00 | 3.90 | 3.90 | 3.90 | 0.15 | 8.78 | |
| | | 1 | 15.00 | 3.90 | 3.70 | 3.80 | 0.15 | 8.55 | |
| | **2nd B cross** | 1 | 8.80 | 3.70 | 3.50 | 3.60 | 0.15 | 4.75 | |
| | | 1 | 15.00 | 4.20 | 4.70 | 4.45 | 0.15 | 10.01 | |
| | | 1 | 15.00 | 4.70 | 4.10 | 4.40 | 0.15 | 9.90 | |
| | **2nd C cross** | 1 | 12.50 | 4.10 | 4.50 | 4.30 | 0.15 | 8.06 | |
| | | 1 | 15.00 | 5.50 | 5.50 | 5.50 | 0.15 | 12.38 | |
| | | 1 | 12.30 | 5.50 | 5.40 | 5.45 | 0.15 | 10.06 | |
| | **2nd cross, Jayamma road** | 1 | 6.10 | 4.20 | 4.20 | 4.20 | 0.15 | 3.84 | |
| | | 1 | 15.00 | 3.30 | 3.30 | 3.30 | 0.15 | 7.43 | |
| | | 1 | 15.00 | 3.30 | 3.45 | 3.38 | 0.15 | 7.59 | |
| | | 1 | 15.00 | 3.45 | 3.80 | 3.63 | 0.15 | 8.16 | |
| | | 1 | 14.40 | 3.80 | 4.00 | 3.90 | 0.15 | 8.42 | |
| | | 1 | 10.00 | 5.60 | 5.70 | 5.65 | 0.15 | 8.48 | |
| | **Deductions** | | | | | | | | |
| | **Main Road(Near Veterinary Hospital)** | | | | | | | | |
| | Chamber | -1 | 1.40 | 1.40 | 1.40 | 1.40 | 0.15 | -0.29 | |
| | | -1 | 0.60 | 0.60 | 0.60 | 0.60 | 0.15 | -0.05 | |
| | step | -1 | 3.00 | 0.60 | 0.60 | 0.60 | 0.15 | -0.27 | |
| | STD Booth | -1 | 0.70 | 0.60 | 0.60 | 0.60 | 0.15 | -0.06 | |
| | Man Hole | -2 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.19 | |
| | **1st cross (Raja Beedhi)** | | | | | | | | |
| | Chamber | -2 | 0.60 | 0.60 | 0.60 | 0.60 | 0.15 | -0.11 | |
| | step | -1 | 1.45 | 0.30 | 0.30 | 0.30 | 0.15 | -0.07 | |
| | | -1 | 2.30 | 0.30 | 0.30 | 0.30 | 0.15 | -0.10 | |
| | Man Hole | -3 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.29 | |
| | **Cross Road-1** | | | | | | | | |
| | Chamber | -1 | 0.70 | 0.60 | 0.60 | 0.60 | 0.15 | -0.06 | |
| | Man Hole | -2 | (3.142*0.9*0.9/4) | | | | 0.15 | -0.19 | |
| | **Cross Road-2** | | | | | | | | |
| | Chamber | -2 | 0.60 | 0.60 | 0.60 | 0.60 | 0.15 | -0.11 | |
| | | -1 | 0.80 | 0.70 | 0.70 | 0.70 | 0.15 | -0.08 | |
| | steps | -1 | 1.80 | 0.80 | 0.80 | 0.80 | 0.15 | -0.22 | |

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

| Item No | Discription of Item | No | Length | B1 | B2 | Avg Breadth | Depth | Qty | Unit |
|---|---|---|---|---|---|---|---|---|---|
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **Cross Road-3** | | | | | | | | |
| | Chamber | -1 | 0.80 | 0.80 | 0.80 | 0.80 | 0.15 | -0.10 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **Cross Road-5** | | | | | | | | |
| | Chamber | -1 | 1.20 | 1.20 | 1.20 | 1.20 | 0.15 | -0.22 | |
| | | -1 | 0.45 | 0.45 | 0.45 | 0.45 | 0.15 | -0.03 | |
| | | -1 | 0.80 | 0.80 | 0.80 | 0.80 | 0.15 | -0.10 | |
| | steps | -1 | 1.00 | 0.80 | 0.80 | 0.80 | 0.15 | -0.12 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **Cross Road-6** | | | | | | | | |
| | Toilet | -1 | 1.20 | 0.70 | 0.70 | 0.70 | 0.15 | -0.13 | |
| | Electric Pole | -3 | 0.20 | 0.15 | 0.15 | 0.15 | 0.15 | -0.01 | |
| | **Cross Road-7** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **Cross Road-8** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **2nd A cross road** | | | | | | | | |
| | steps | -1 | 1.20 | 0.50 | 0.50 | 0.50 | 0.15 | -0.09 | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.19 | |
| | **Cross road From 2nd A cross** | | | | | | | | |
| | Chamber | -1 | 0.45 | 0.45 | 0.45 | 0.45 | 0.15 | -0.03 | |
| | | -1 | 1.10 | 1.60 | 1.60 | 1.60 | 0.15 | -0.26 | |
| | Tank | -1 | 1.20 | 1.00 | 1.00 | 1.00 | 0.15 | -0.18 | |
| | steps | -1 | 4.00 | 0.60 | 0.60 | 0.60 | 0.15 | -0.36 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **Ashwath Katte** | | | | | | | | |
| | Pole | -1 | 0.60 | 0.50 | 0.50 | 0.50 | 0.15 | -0.05 | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **Subbanna Main Road** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **2nd A cross** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **2nd B cross** | | | | | | | | |
| | Man Hole | -1 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.10 | |
| | **2nd C cross** | | | | | | | | |
| | Man Hole | -2 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.19 | |
| | **2nd cross, Jayamma road** | | | | | | | | |
| | Man Hole | -3 | | (3.142*0.9*0.9/4) | | | 0.15 | -0.29 | |
| | Steps | -1 | 2.00 | 1.00 | 1.00 | 1.00 | 0.15 | -0.30 | |
| | | | | | | | **Present Qty** | **408.72** | **Cum** |

PMC

Assistant Engineer
Ward No.10

Asst. Executive Engineer,
Vidyaranya Pura Sub division

Assistant Executive Engineer,
R.R. Nagar, Sub-Division,
KRIDL, BBMP, Bangalore

**Name of Work :Improvements to Roads and Drains at Doddabommasandra Old Village, Subbanna Beedi and Surrounding areas in ward No 10 Doddabommasandra.**

**Detailed measurements**

| | Detailed measurement recorded on: | | | | | | |
|---|---|---|---|---|---|---|---|
| **Item No** | **Discription of Item** | **No** | **Length** | **Breadth** | **Depth** | **Qty** | **Unit** |
| E-1 | Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No.1000 / 2300 - 250mm dia ( I No-34.7.2, P No-255 PWD SR 2018-19) | | | | | | |
| | **Pipe For Culvert** | | | | | | |
| | Main Road(Near VeterinaryHospital) | | | | | 4.00 | |
| | | 1 | 4.00 | | | | |
| | | | | | **Present Qty** | **4.00** | **Mtr** |

BVH Consulting Engineers Pvt. Ltd. Bangalore

PMC

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